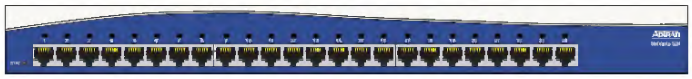
ADTRAN®
Quick Start Guide

NetVanta 1224 Series Switches

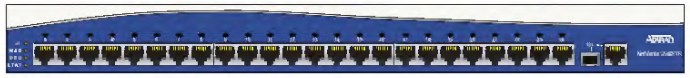
P/N 1200500E1/L1, 1200504E1/L1, 1200510L1, 1200520E1/L1, 1200590L1



NETVANTA 1224 FRONT PANEL LAYOUT

NETVANTA 1224ST FRONT PANEL LAYOUT

NETVANTA 1224R FRONT PANEL LAYOUT



NETVANTA 1224STR FRONT PANEL LAYOUT

NETVANTA 1224 AND 1224ST REAR PANEL LAYOUT

NETVANTA 1224R AND 1224STR (AC VERSION) REAR PANEL LAYOUT

NETVANTA 1224STR (DC VERSION) REAR PANEL LAYOUT

GETTING STARTED

Two configuration methods are available for your NetVanta switch:

- Web-based GUI
- AOS Command Line Interface (CLI)

The GUI lets you configure the main unit settings and provides online guidance and explanations for each setting. However, using the AOS CLI may be necessary for more advanced configurations.

ACCESS THE GUI

You may access the web-based GUI from any web browser on your network by following these steps:

1. Connect the switch to your PC using any of the 24 Ethernet ports on the front of the unit.
2. Set your PC to a fixed IP address of 10.10.10.2. If you cannot change the PC's IP address, you will need to change the unit's IP address using the CLI. (Refer to the next two sections for instructions.)
3. Enter the unit's IP address in your browser address line. The default IP address is 10.10.10.1.
4. You will then be prompted for the username and password (the default settings are **admin** and **password**).
5. The initial GUI screen appears.

ACCESS THE CLI

Access the AOS CLI via the **CONSOLE** port or a Telnet session. To establish a connection to the NetVanta switch **CONSOLE** port, you need the following items:

- VT100 terminal or PC (with VT100 terminal emulation software)
- Straight-through serial cable with a DB-9 (male) connector on one end and the appropriate interface for your terminal or PC communication port on the other end

1. Connect the DB-9 (male) connector of your serial cable to the **CONSOLE** port on the rear panel of the unit.
2. Connect the other end of the serial cable to the terminal or PC.
3. Provide power to the unit as appropriate. Refer to the *NetVanta 1000 and NetVanta 1000R Series Hardware Installation Guide* (provided on the *ADTRAN OS System Documentation* CD) for more details.
4. Once the unit is powered up, open a VT100 terminal session using the following settings: 9600 baud, 8 data bits, no parity bits, and 1 stop bit. Press **<Enter>** to activate the AOS CLI.
5. Enter **enable** at the **>** prompt.
6. Enter the enable password when prompted. The default password is **password**.

NOTE

*The configuration parameters used in the examples outlined in this document are for instructional purposes only. Please replace all underlined entries (**example**) with your specific parameters to configure your application.*

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Configure the Unit's IP Address

The following steps create an IP address and subnet mask for the virtual interface **vlan 1**. If you are not sure what IP address to assign, please contact your network administrator.

1. At the **#** prompt, enter **config terminal**.
2. At the **(config)#** prompt, enter **interface vlan 1** to access the configuration parameters for the virtual LAN (VLAN) interface.
3. Enter **ip address 10.26.12.12 255.255.255.0** to assign an IP address to the VLAN interface using a 24-bit subnet mask.
4. Enter **no shutdown** to activate the virtual interface to pass data.
5. Enter **exit** to return to the Global Configuration mode.

NOTE

*Depending on your configuration, you may need to set a default gateway as well using the **(config)#ip default gateway** command. If IP routing is enabled on the unit, do NOT set a default gateway.*

Enable Telnet Access

The following steps create a password of **adtran** for Telnet access. By default, Telnet access is enabled with a password of **password**.

1. Verify that the prompt of your unit displays **(config)#**.
2. Enter **line telnet 0 4** to change the configuration parameters for the Telnet sessions.
3. Enter **login** to initiate Telnet access.
4. Enter **password adtran** to change the login password for the Telnet sessions.
5. Enter **exit** to return to the Global Configuration mode.
6. Verify that the prompt of your unit displays **(config)#**.
7. Enter **do write memory** to save the current configuration.

Ethernet Pinouts

Pin	Name	Description
1	TX1	Transmit Positive
2	TX2	Transmit Negative
3	RX1	Receive Positive
4, 5	—	Unused
6	RX2	Receive Negative
7, 8	—	Unused

Console Pinouts

Pin	Name	Description
1	DCD	Data Carrier Detect (output)
2	RD	Receive Data (output)
3	TD	Transmit Data (input)
4	DTR	Data Terminal Ready (input)
5	SG	Signal Ground
6	DSR	Data Set Ready (output)
7	—	Unused
8	CTS	Clear to Send (output)
9	—	Unused

NOTE

*For information on installing the VPN Accelerator Card, please refer to the **NetVanta 1000 Series Hardware Installation Guide** on the **ADTRAN OS System Documentation** CD included in your switch shipment.*

Configure Your Application

More detailed documentation for configuring your ADTRAN unit is provided on the *ADTRAN OS System Documentation* CD included in your shipment. For more detail on hardware setup, refer to the appropriate NIM Quick Start Guides and the Hardware Installation Guide. For more detail on configuring your system, refer to the *ADTRAN Operating System (AOS) Command Reference Guide*, configuration guides, and technical support notes.

NOTE

***Important:** For additional details on product features, specifications, installation, and safety, refer to the appropriate Hardware Installation Guide on the **ADTRAN OS System Documentation** CD shipped with the base unit and available online at www.adtran.com.*

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